

ATTACHMENT A

LISTING OF CLAIMS WITH MARKINGS TO SHOW CHANGES MADE

Attachment A
Listing with Markings
8

Claim(s)

2. (currently Amended) An adaptive electrical circuit unit for use in a night viewer system of the type that includes an image intensifier tube and a compatible power source electrically connected to the image intensifier tube, the invention comprising:

a voltage gain detection circuit unit operably connected to the image intensifier tube for detecting multiple selected types of image intensifier tubes as replacements for an original image intensifier tube and producing an output gain signal appropriate to the detected image intensifier tube for controlling the gain of the detected image intensifier tube; and,
said voltage gain detection circuit unit mounted within a main body.
3. (Original) The invention of claim 2 further including a voltage bias circuit unit operably connected between the voltage gain detection circuit unit and the image intensifier tube for providing a desired voltage gain signal to the image intensifier tube in response to the output gain signal from the voltage gain detection circuit unit.
4. (Original) The invention of claim 2 further including a variable resistor circuit unit operably connected between the voltage gain detection circuit unit and the image intensifier tube for providing a desired voltage level signal to the image intensifier tube.
5. (Original) The invention of claim 4 wherein the variable resistor circuit further includes a manual gain adjustment means for manually adjusting the desired voltage level signal to the image intensifier tube by a user.
6. (Original) The invention of claim 2 further including an amplifier circuit unit operably connected between the voltage gain detection circuit unit and the image intensifier tube for providing a desired amplified voltage signal to the image intensifier tube for bias adjustment of the image intensifier tube.

7. (Original) The invention of claim 6 further including a current limiting circuit unit for controlling an amount of electrical current of the amplified voltage signal to the image intensifier tube.
8. (Original) The invention of claim 6 further including a variable resistor circuit operably connected between the amplifier circuit unit and the voltage gain detection circuit unit for providing a desired voltage level signal to the amplifier circuit unit.
9. (Previously Presented) The invention of claim 3 further including an amplifier circuit unit operably connected between a variable resistor circuit unit and the image intensifier tube for providing a desired voltage signal to the image intensifier tube.
10. (Original) The invention of claim 2 wherein the power source includes a direct current (DC) to direct current (DC) voltage step-up converter circuit unit for providing a desired power supply voltage signal to the image intensifier tube.
11. (Original) The invention of claim 10 wherein the DC to DC voltage step-up converter circuit boosts the voltage of the power source by two times.
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)